

Claims

[c1] What is claimed is:

1.A method for controlling light sources of a keypad of a telephone, the telephone comprising a plurality of keys and a plurality of light sources installed correspondingly to the plurality of keys, and the method comprising: detecting an operating status of the telephone; and determining possibly enabled functions and changing at least one part of the light sources from a first status to a second status according to the possibly enabled functions, in order to show at least one key corresponding to the possibly enabled functions.

[c2] 2.The method of claim 1 wherein the first status and the second status are different colors.

[c3] 3.The method of claim 1 wherein the first status and the second status are different levels of brightness.

[c4] 4.The method of claim 1 wherein the first status is no lighting and the second status is continuous lighting.

[c5] 5.The method of claim 1 wherein the first status is no lighting and the second status is blinking.

- [c6] 6.The method of claim 1 wherein the first status is continuous lighting and the second status is no lighting.
- [c7] 7.The method of claim 1 wherein the first status is continuous lighting and the second status is blinking.
- [c8] 8.An electronic apparatus comprising:
a plurality of keys corresponding to at least one specific function respectively for inputting data;
a plurality of light sources installed correspondingly to the plurality of keys;
a status detecting device for detecting an operating status of the electronic apparatus; and
an controller for determining possibly enabled functions and changing the status of at least one part of the light sources according to the possibly enabled functions, in order to show at least one key corresponding to the possibly enabled functions.
- [c9] 9.The electronic apparatus of claim 8 wherein the controller makes the light source corresponding to at least one key corresponding to the possibly enabled functions in a blinking status.
- [c10] 10.The electronic apparatus of claim 8 wherein the controller makes the light source corresponding to at least one key corresponding to the possibly enabled functions

in a continuous lighting status.

- [c11] 11.The electronic apparatus of claim 8 wherein each light source can generate light in different colors.
- [c12] 12.The electronic apparatus of claim 11 wherein the controller makes the light source corresponding to at least one key corresponding to the possibly enabled functions in a color changing status.
- [c13] 13.The electronic apparatus of claim 8 wherein each light source can generate light in different levels of brightness.
- [c14] 14.The electronic apparatus of claim 13 wherein the controller makes the light source corresponding to at least one key corresponding to the possibly enabled functions in a brightness level changing status.
- [c15] 15.The electronic apparatus of claim 8 being a telephone.
- [c16] 16.An electronic apparatus comprising:
 - a first key capable of enabling a first function of the electronic apparatus;
 - a second key capable of enabling a second function of the electronic apparatus;
 - a first light source installed near the first key for lighting

up the first key;
a second light source installed near the second key for lighting up the second key;
a status detecting device for determining whether the first function or the second function can be enabled according to an operating status of the electronic apparatus; and
a controller for driving the first light source or the second light source according to an information provided by the status detecting device;
wherein when the status detecting device determines that the first function can be enabled and the second function is prevented to be enabled, the controller keeps light intensity of the second light source in a stable status and varies the light intensity of the first light source to identify the position of the first button.

[c17] 17.The electronic apparatus of claim 16 being a telephone.

[c18] 18.A method of controlling light sources of a keypad of an electronic device, the electronic device comprising:
a first key capable of enabling a first function of the electronic apparatus;
a second key capable of enabling a second function of the electronic apparatus;
a first light source installed near the first key for lighting

up the first key;

a second light source installed near the second key for lighting up the second key,

the method comprising steps of:

determining whether one of the first function and the second function can be enabled according to an operating status of the electronic device; and

keeping light intensity of the second light source in a stable status and varying light intensity of the first light source to identify the position of the first button, when the first function can be enabled and the second function is prevented to be enabled under the operating status.